

# Jiangxin Wang

## List of Publications by Citations

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56

papers

6,397

citations

36

h-index

59

g-index

59

ext. papers

7,517

ext. citations

15.2

avg, IF

6.27

L-index

#	Paper	IF	Citations
56	Highly stretchable piezoresistive graphene-nanocellulose nanopaper for strain sensors. <i>Advanced Materials</i> , <b>2014</b> , 26, 2022-7	24	840
55	Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection. <i>Advanced Science</i> , <b>2017</b> , 4, 1600190	13.6	506
54	Next-Generation Multifunctional Electrochromic Devices. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1469-743	16.3	345
53	Stretchable and wearable electrochromic devices. <i>ACS Nano</i> , <b>2014</b> , 8, 316-22	16.7	326
52	Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501882	21.8	307
51	Skin-touch-actuated textile-based triboelectric nanogenerator with black phosphorus for durable biomechanical energy harvesting. <i>Nature Communications</i> , <b>2018</b> , 9, 4280	17.4	270
50	Electrochromo-supercapacitor based on direct growth of NiO nanoparticles. <i>Nano Energy</i> , <b>2015</b> , 12, 258-267	16.7	268
49	Flexible and Highly Scalable V2O5-rGO Electrodes in an Organic Electrolyte for Supercapacitor Devices. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400236	21.8	243
48	Stretchable graphene thermistor with tunable thermal index. <i>ACS Nano</i> , <b>2015</b> , 9, 2130-7	16.7	223
47	Enhanced Piezoelectric Energy Harvesting Performance of Flexible PVDF-TrFE Bilayer Films with Graphene Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 521-9	9.5	221
46	Sulfidation of NiMn-Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501745	21.8	205
45	Highly stretchable and self-deformable alternating current electroluminescent devices. <i>Advanced Materials</i> , <b>2015</b> , 27, 2876-82	24	186
44	Ultra-large optical modulation of electrochromic porous WO film and the local monitoring of redox activity. <i>Chemical Science</i> , <b>2016</b> , 7, 1373-1382	9.4	153
43	Printable Superelastic Conductors with Extreme Stretchability and Robust Cycling Endurance Enabled by Liquid-Metal Particles. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706157	24	150
42	Wearable All-Fabric-Based Triboelectric Generator for Water Energy Harvesting. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1701243	21.8	149
41	Extremely Stretchable Electroluminescent Devices with Ionic Conductors. <i>Advanced Materials</i> , <b>2016</b> , 28, 4490-6	24	146
40	Core-shell nanofiber mats for tactile pressure sensor and nanogenerator applications. <i>Nano Energy</i> , <b>2018</b> , 44, 248-255	17.1	142

39	Inorganic-organic hybrid polymer with multiple redox for high-density data storage. <i>Chemical Science</i> , <b>2014</b> , 5, 3404-3408	9.4	138
38	An intrinsically stretchable nanowire photodetector with a fully embedded structure. <i>Advanced Materials</i> , <b>2014</b> , 26, 943-50	24	132
37	Deformable conductors for human-machine interface. <i>Materials Today</i> , <b>2018</b> , 21, 508-526	21.8	119
36	Hexagonal Boron Nitride Thin Film for Flexible Resistive Memory Applications. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2176-2184	15.6	119
35	Synthesis, characterization, and non-volatile memory device application of an N-substituted heteroacene. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 779-83	4.5	112
34	Stretchable Silver-Zinc Batteries Based on Embedded Nanowire Elastic Conductors. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301396	21.8	103
33	A Stretchable and Transparent Nanocomposite Nanogenerator for Self-Powered Physiological Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42200-42209	9.5	92
32	High-efficiency transfer of percolating nanowire films for stretchable and transparent photodetectors. <i>Nanoscale</i> , <b>2014</b> , 6, 10734-9	7.7	88
31	Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , <b>2017</b> , 11, 1712-1718	16.7	71
30	Fast charging self-powered electric double layer capacitor. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 70-78	8.9	70
29	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802803	24	64
28	A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials. <i>Small</i> , <b>2017</b> , 13, 1602893	11	61
27	Rewritable multilevel memory performance of a tetraazatetracene donor-acceptor derivative with good endurance. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 116-9	4.5	58
26	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1159-1166	20.1	54
25	Coaxial Ag-base metal nanowire networks with high electrochemical stability for transparent and stretchable asymmetric supercapacitors. <i>Nanoscale Horizons</i> , <b>2017</b> , 2, 199-204	10.8	51
24	Topotactic Phase Transformation of Hexagonal MoO <sub>3</sub> to Layered MoO <sub>3</sub> -II and Its Two-Dimensional (2D) Nanosheets. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5533-5539	9.6	46
23	Holey graphene-wrapped porous TiNb <sub>2</sub> O <sub>6</sub> microparticles as high-performance intercalation pseudocapacitive anode materials for lithium-ion capacitors. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 406-416	10.3	46
22	Recent Progress in Artificial Muscles for Interactive Soft Robotics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2003088	40	40

21	Solution-assembled nanowires for high performance flexible and transparent solar-blind photodetectors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 596-600	7.1	37
20	Self-healable sticky porous elastomer for gas-solid interacted power generation. <i>Science Advances</i> , <b>2020</b> , 6, eabb4246	14.3	35
19	A Nonpresodiate Sodium-Ion Capacitor with High Performance. <i>Small</i> , <b>2018</b> , 14, e1804035	11	29
18	Progress and Prospects in Stretchable Electroluminescent Devices. <i>Nanophotonics</i> , <b>2017</b> , 6, 435-451	6.3	21
17	Diphylleia grayi-Inspired Stretchable Hydrochromics with Large Optical Modulation in the Visible-Near-Infrared Region. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37685-37693	9.5	20
16	A semitransparent snake-like tactile and olfactory bionic sensor with reversibly stretchable properties. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e437-e437	10.3	16
15	Graphene: Highly Stretchable Piezoresistive Graphene/Nanocellulose Nanopaper for Strain Sensors (Adv. Mater. 13/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 1950-1950	24	15
14	Zn <sub>2</sub> GeO <sub>4</sub> nanowires as efficient electron injection material for electroluminescent devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6793-6	9.5	15
13	Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamine-Based Organic Small Molecules through Donor-Acceptor Design. <i>Asian Journal of Organic Chemistry</i> , <b>2015</b> , 4, 646-651	3	10
12	Reconfigurable and programmable origami dielectric elastomer actuators with 3D shape morphing and emissive architectures. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	10
11	A Tailorable Spray-Assembly Strategy of Silver Nanowires-Bundle Mesh for Transferable High-Performance Transparent Conductor. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006120	15.6	9
10	Stretchable and Wearable Resistive Switching Random-Access Memory. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2000007	6	8
9	Inkjet-Printed Iontronics for Transparent, Elastic, and Strain-Insensitive Touch Sensing Matrix. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2000088	6	7
8	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , <b>2021</b> , 8, 2615-2653	14.4	7
7	Strain Sensors: Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection (Adv. Sci. 2/2017). <i>Advanced Science</i> , <b>2017</b> , 4,	13.6	4
6	Electroluminescent Devices: Highly Stretchable and Self-Deformable Alternating Current Electroluminescent Devices (Adv. Mater. 18/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 2947-2947	24	2
5	Artificial Muscles: Recent Progress in Artificial Muscles for Interactive Soft Robotics (Adv. Mater. 19/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170144	24	2
4	Supercapacitors: Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors (Adv. Energy Mater. 4/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6, n/a-n/a	21.8	2

3	Capacitors: A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials (Small 6/2017). <i>Small</i> , <b>2017</b> , 13,	11	1
2	Electroluminescent Devices: Extremely Stretchable Electroluminescent Devices with Ionic Conductors (Adv. Mater. 22/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 4489	24	1
1	Nanowire Photodetectors: An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure (Adv. Mater. 6/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 979-979	24	